Sheet <u>1</u> of <u>1</u>

MAY 1 3 2004

Substitute Form PTO-1449 (Modified)

U.S. Department of Comparison Palent and Trademark Office

Attorney's Docket No. 17120-011002 (25491-2408B) Application No. 10/645,816

List of Patents and Publications for Applicant's Information Disclosure Statement

Applicant

C. Cantor et al.

Filing Date
August 20, 2003

Group Art Unit 1634

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner	Desig.	Document	Publication				Filing Date
Initial	ID	Number	Date	Patentee	Class	Subclass	If Appropriate

	Foreign Patent Documents or Published Foreign Patent Applications											
Examiner	Examiner Desig. Document Publication Country or Translation											
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes No					

	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document						
JW	AA	Ravine, D., "Automated mutation analysis," J. Inher. Metab. Dis. 22:503-518 (1999)						
JW	AB	European Search Report for Application Number 01 946 412.2 – 1222 sent on April 22, 2004 (8 pages)						

Examiner Signature

/Jennifer Wong/

Date Considered

03/29/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 25491-2408B	SERIAL NO. 10/645,816	CONFIRM NO. Unassigned
APPLICANT Cantor <i>et al</i> .	CUSTOMER N 24961	10.
FILING DATE 08/20/03	GROUP Unassigned	1634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL			D	OCUM	IENT 1	NUMBI	ER		DATE	NAME ,	CLASS	SUB CLASS	FILING DATE
JW	Α	4	7	7	5	6	1	9	10/16/84	Urdea	435	6	10/04/88
WL	В	4	9	3	5	3	5	7	02/05/86	Szybalski	435	91	06/19/90
JW	С	5	0	0	2	8	6	7	03/26/91	Macevicz	435	6	10/24/88
WL	D	5	1	1	4	8	3	9	05/92	Blocker	435	6	05/26/89
JW	E	5	1	7	4	9	6	2	12/29/92	Brennan	422	78	01/24/90
JW	F	5	2	0	2	2	3	1	04/13/93	Drmanac et al.	435	. 6	06/18/91
JW	G	5	4	3	6	1	4	3	07/25/95	Hyman	435	91.2	12/23/92
WL	Н	5	6	2	2	8	2	4	04/22/97	Köster	435	6	02/10/95
JM ·		5	6	9	1	1	4	1	11/25/97	Köster	435	6	06/06/95
JW	J	5	7	9	8	2	1	0	08/25/98	Canard et al.	435	6	11/20/95
JW	к	6	0	2	2	6	8	8	02/08/00	Jurinke <i>et al</i> .	435	6	05/13/96
JW	L	6	2	2	5	0	6	1	05/01/01	Becker et al.	435	6	03/10/99
JW	М	6	2	3	2	0	7	6	05/15/01	Schultz	435	6	02/04/00
JW	N	6	2	6	8	1	3	1	07/31/01	Kang et al.	435	6	12/15/97
JW	0	6	4	8	5	9	1	3	11/26/02	Becker et al.	435	6	10/02/00

FOREIGN PATENT DOCUMENTS

			D	OCUM	ENT 1	NUMB	ER		DATE	COUNTRY	CLASS	Sub Class	Trans Yes	lation No
JW	Р	0	0	5	6	4	4	6	09/28/00	PCT				
JW	-	6	3	-5-	•	3		07	11/02/88	JP.				x.
JW	R	8	7	0	4	1	6	5	07/16/87	PCT				
JW	S	9	3	0	8	3	0	5	04/29/93	РСТ				
JW	Т	9	4	1	6	0	9	0	07/21/94	РСТ				

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FILING DATE 08/20/03	GROUP Unassigned	1634

FOREIGN PATENT DOCUMENTS

JW			DOCUMENT NUMBER				DATE	COUNTRY	CLASS	Sub Class	Trans Yes	lation No		
JW	U	9	4	2	1	8	1	1	09/29/94	РСТ				
JW	V	9	6	1	4	4	0	6	05/17/96	РСТ				
JW	w	9	9	1	4	3	6	2	03/25/99	РСТ				

X English langAuage equivalent provided

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	- T	ANT (including Author, Title, Date, Pertinent Pages, Etc.)
JW	×	Benner et al., "Identification of Denatured Double-stranded DNA by Matrix-assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", Rapid Commu. Mass Spec., 9:537-540 (1995)
JW	Y	Benner et al., "DNA Base-Pair Substitutions Detected in Double-Stranded DNA With Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", Eur. Mass Spectrum., 1: 479-485 (1995)
JW	Z	Brenner, "DNA fingerprinting by sampled sequencing", <i>Proc. Natl. Acad. Sci. USA</i> 86:8902-8906 (1989).
WL	АА	Cantor CR, "Report on the sequencing by hybridization workshop," <i>Genomics</i> , 13:1378-1383 (1992)
JW	АВ	Cantor et al., Sequence-directed DNA manipulation for enhanced mapping and sequencing, Human Genome Program, US Department of Energy, DOE Human Genome Program Contractor-Grantee Workshop IV, (1994)
JW	AC	Ch'ang et al., "Detection of ΔF508 Mutation of the cystic Fibrosis Gene by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry", Rapid Comm. in Mass Spectrom., 9:772-774, (1995)
JW	AD	Cosstick et al., "Synthesis and Poperties of dithymidine phosphate analogues containing 3'-thiothimidine", Nucl. Acid Res., 18(4):829-835 (1990)
JW	AE	Derwent Abstract Dialog File No. 351 Acces. No. 7209274 for Japanese patent JP 63603007, published 11/02/88.
JW	AF	Drmanac et al., "Laboratory methods: reliable hybridization of oligonucleotides as short as six nucleotides," DNA & Cell Biology 9(7):527-534 (1990)

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ATTY. DOCKET NO. 25491-2408B	SERIAL NO. 10/645,816	CONFIRM NO. Unassigned
APPLICANT Cantor <i>et al</i> .	CUSTOMER N 24961	10.
FILING DATE 08/20/03	GROUP Unassigned	1634

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JW	AG	Drmanac et al., An algorithm for the DNA sequence generation from K-tuple word contents of the minimal number of random fragments, <i>J. Biomol. Struct. Dynamics</i> , 5(5):1085-1102 (1991)
JW	АН	Köster et al., "A strategy for rapid and efficient DNA sequencing by mass spectrometry," <i>Nature Biotechnology</i> 14: 1123-1128 (1996)
JW	AI	Khrapko <i>et al.</i> , "An oligonucleotide hybridization approach to DNA sequencing," <i>FEBS Letters</i> 256(1-2): 118-122 (1989)
JW	AJ	Liu <i>et al.</i> , "Use of a Nitrocellulose Film Substrate in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for DNA Mapping and Screening", <i>Anal. Chem.</i> , <u>67</u> :3482-3490, (1995)
JW	AK	Pevzner, P., 1-turple DNA sequencing: computer anlysis, <i>J. Biomol. Struct. Dynamics</i> , 7(1):63-69 (1989)
JW	AL	Szybalski, "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter olideoxinucleotide and enzyme moieties", <i>Gene</i> , 40:169-173 (1985)
JW	AM	Tang et al., "Matrix-assisted Laser Desorption/Ionization of Restriction Enzyme-digested DNA", Rapid Comm. Mass Spec., 8(2):183-186 (1994)
JW	AN	Wu et al., "Time-of-Flight Mass Spectrometry of Underivatized Single-Stranded DNA Oligomers by Matrix-Assisted Laser Desorption", Anal. Chem., 66:1637-1645 (1994)

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S SUPPLEMENTAL INFORMATION	APPLICANT Cantor et al.	CUSTOMER NO. 24961			
DISCLOSURE STATEMENT	FILING DATE 08/20/03	GROUP Unassigned			

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U.S. PATENT DOCUMENTS

			S.		<u>U.</u> :	5. P/	AIE	NI L	DOCUME	1015			
EXAMINER INITIAL	EXAMINER INITIAL TRAD MANY DOCUMENT NUMBER									NAME	CLASS	SUB CLASS	FILING DATE
	Α	4.	7	7	5	6	1	9	10/16/84	Urdea	435	6	10/04/88
	В	4	9	3	5	3	5	7	02/05/86	Szybalski	435	91	06/19/90
	C	5	0	0	2	8	6	7	03/26/91	Macevicz	435	6	10/24/88
	D	5	1	1	4	8	3	9	05/92	Blocker	435	6	05/26/89
	Ε	5	1	7	4	9	6	2	12/29/92	Brennan	422	· 78	01/24/90
	F	5	2	0	2	2	3	1	04/13/93	Drmanac et al.	435	6	06/18/91
	G	5	4	3	6	1	4	3	07/25/95	Hyman	435	91.2	12/23/92
	Н	5	6	2	2	8	2	4	04/22/97	Köster	435	6	02/10/95
	ı	5	6	9	1	1	4	1	11/25/97	Köster	435	6	06/06/95
	J	5	7	9	8	2	1	0	08/25/98	Canard et al.	435	6	11/20/95
	κ	6	0	2	2	6	8	8	02/08/00	Jurinke <i>et al</i> .	435	6	05/13/96
	L	6	2	2	5	0	6	1	05/01/01	Becker et al.	435	6	03/10/99
	М	6	2	3	2	0	7	6	05/15/01	Schultz	435	6	02/04/00
	N	6	2	6	8	1	3	1	07/31/01	Kang et al.	435	6	12/15/97
	0	6	4	8	5	9	1	3	11/26/02	Becker et al.	435	6	10/02/00

FOREIGN PATENT DOCUMENTS

		D	осим	ENT N	NUMBI	ER		DATE	COUNTRY	CLASS	Sub Class	Trans Yes	lation No
P	0	0	5	6	4	4	6	09/28/00	РСТ				
	6	3	5	0	3	0	07	11/02/88	JP				x.
R	8	7_	0	4	1	6	5	07/16/87	РСТ				
s	9	3	0	8	3	0	5	04/29/93	РСТ				
. SILE	9	4	1	6	0	9	0	07/21/94	РСТ				

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S SUPPLEMENTAL INFORMATION	APPLICANT Cantor et al.	CUSTOMER 1 24961	١٥.
DISCLOSURE STATEMENT	FILING DATE 08/20/03	GROUP Unassigned	

FOREIGN PATENT DOCUMENTS

THADE	MARIE	D	осим	ENT N	IUMBI	ER		DATE	COUNTRY	CLASS	Sub Class	Trans Yes	lation No
(V)	9	4	2	1	8	1	1	09/29/94	PCT				
\ V.\	9	6	1	4	4	0	6	05/17/96	PCT				
W	9	9	1	4	3	6	2	03/25/99	РСТ				

X English langAuage equivalent provided

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O THEIR	Art (including Author, Title, Dute, Fertillent Fages, Ltc.)
X	Benner et al., "Identification of Denatured Double-stranded DNA by Matrix-assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", Rapid Commu. Mass Spec., 9:537-540 (1995)
	Benner et al., "DNA Base-Pair Substitutions Detected in Double-Stranded DNA With Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", Eur. Mass Spectrum., 1: 479-485 (1995)
Z	Brenner, "DNA fingerprinting by sampled sequencing", <i>Proc. Natl. Acad. Sci. USA</i> 86:8902-8906 (1989).
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АВ	Cantor et al., Sequence-directed DNA manipulation for enhanced mapping and sequencing, <i>Human Genome Program, US Department of Energy, DOE Human Genome Program Contractor-Grantee Workshop IV</i> , (1994)
AC	Ch'ang et al., "Detection of Δ F508 Mutation of the cystic Fibrosis Gene by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry", Rapid Comm. in Mass Spectrom., 9:772-774, (1995)
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	25491-2408B APPLICANT Cantor et al. FILING DATE	25491-2408B 10/645,816 APPLICANT CUSTOMER I Cantor et al. 24961 FILING DATE GROUP

DEC 2 4 2003 OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) ſÁĠ Drmanac et al., An algorithm for the DNA sequence generation from K-tuple word contents of the minimal number of random fragments, J. Biomol. Struct. Dynamics, 5(5):1085-1102 (1991) AH Köster et al., "A strategy for rapid and efficient DNA sequencing by mass spectrometry," Nature Biotechnology 14: 1123-1128 (1996) Khrapko et al., "An oligonucleotide hybridization approach to DNA sequencing," FEBS Letters 256(1-2): 118-122 (1989) Liu et al., "Use of a Nitrocellulose Film Substrate in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for DNA Mapping and Screening", Anal. Chem., 67:3482-3490, (1995) AK Pevzner, P., 1-turple DNA sequencing: computer anlysis, J. Biomol. Struct. Dynamics, 7(1):63-69 (1989) AL Szybalski, "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter olideoxinucleotide and enzyme moieties", Gene, 40:169-173 (1985) ÀΜ Tang et al., "Matrix-assisted Laser Desorption/Ionization of Restriction Enzymedigested DNA", Rapid Comm. Mass Spec., 8(2):183-186 (1994) ĄŅ Wu et al., "Time-of-Flight Mass Spectrometry of Underivatized Single-Stranded DNA Oligomers by Matrix-Assisted Laser Desorption", Anal. Chem., 66:1637-1645

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Title: USE OF NUCLEOTIDE ANALOGS IN THE ANALYSIS OF OLIGONUCLEOTIDE MIXTURES AND IN HIGHLY MULTIPLEXED NUCLEIC ACID SEQUENCING

(1994)